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FIGURE 3

954

FREQUENCY CALIBRATION MODULE

325

RESPONANT
FREQUENCY
SELECTOR

300

305

335

SUSTAINING
AMPLIFIER

VOLTAGE
ISOLATOR

PROCESS
VARIATION
COMPENSATOR

EFFECTIVE
REGISTER(S)

310

RESONATOR

350

FREQUENCY DIVIDER
SQUARE-WAVE GENERATOR

335

TEMPERATURE
COMPENSATOR

CURRENT
FREQUENCY

340

COEFFICIENT
REGISTER(S)

315

FREQUENCY
SELECTOR

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Output
(Clock)
SIGNAL

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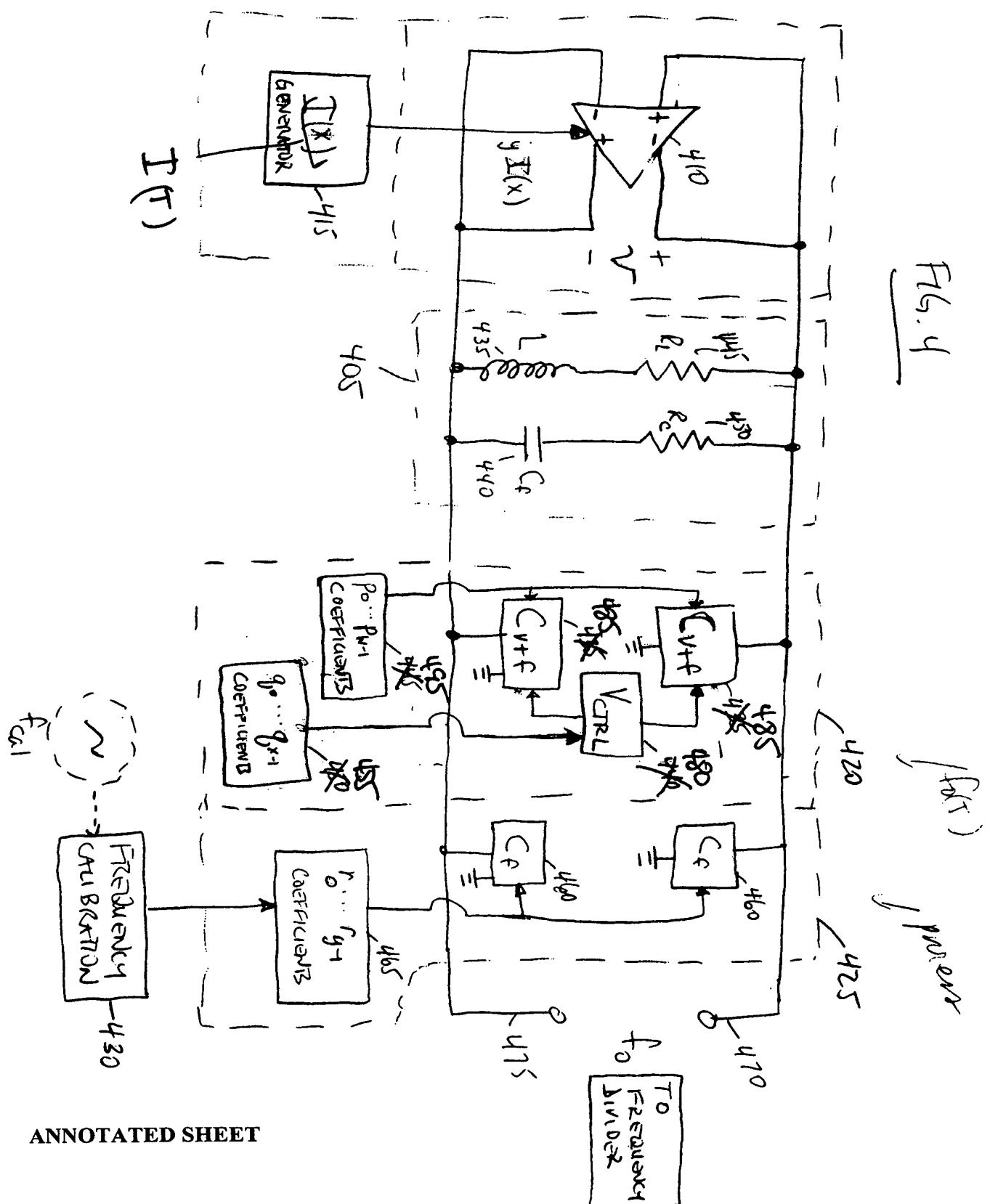
1

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1

ANNOTATED SHEET

FIG. 4



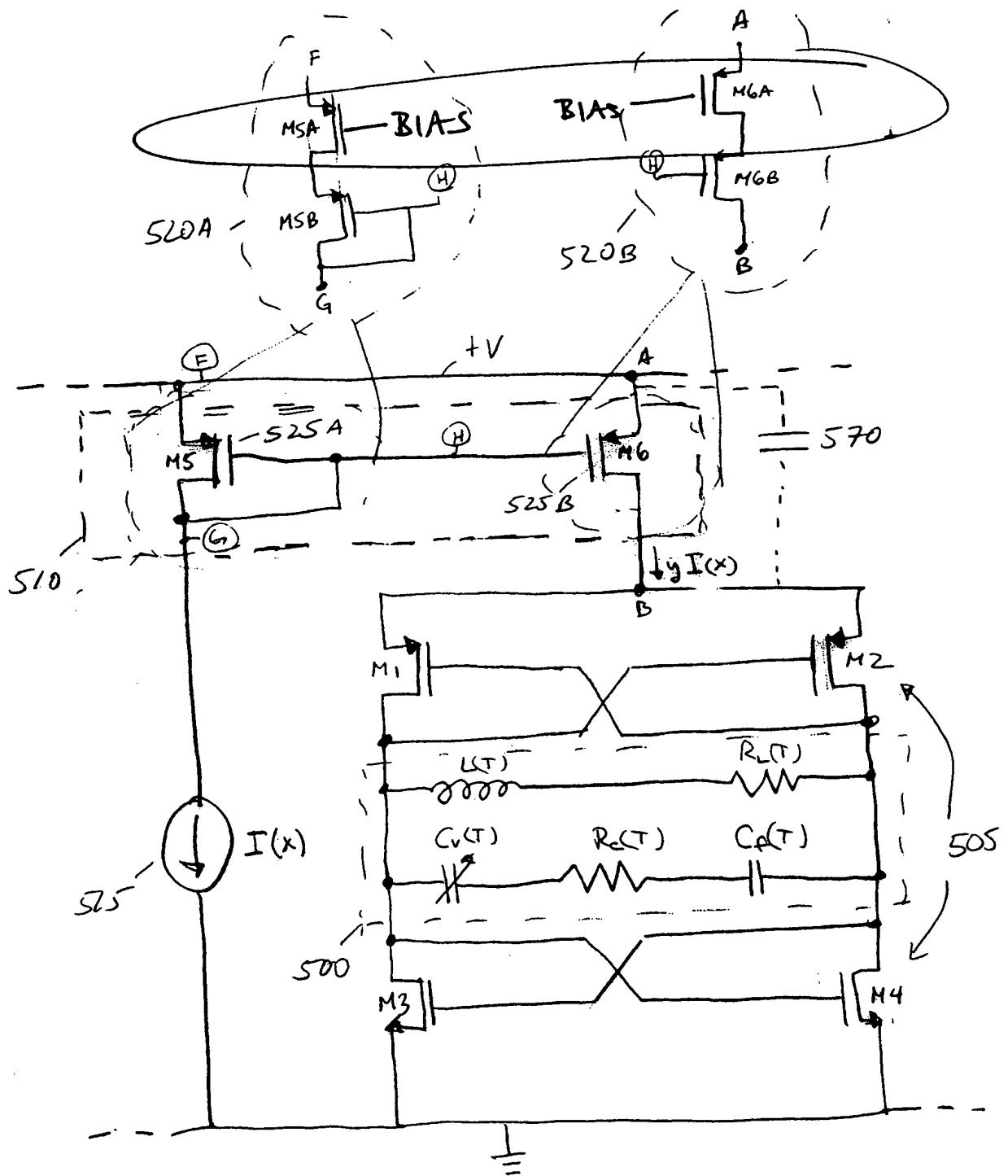


FIGURE 6

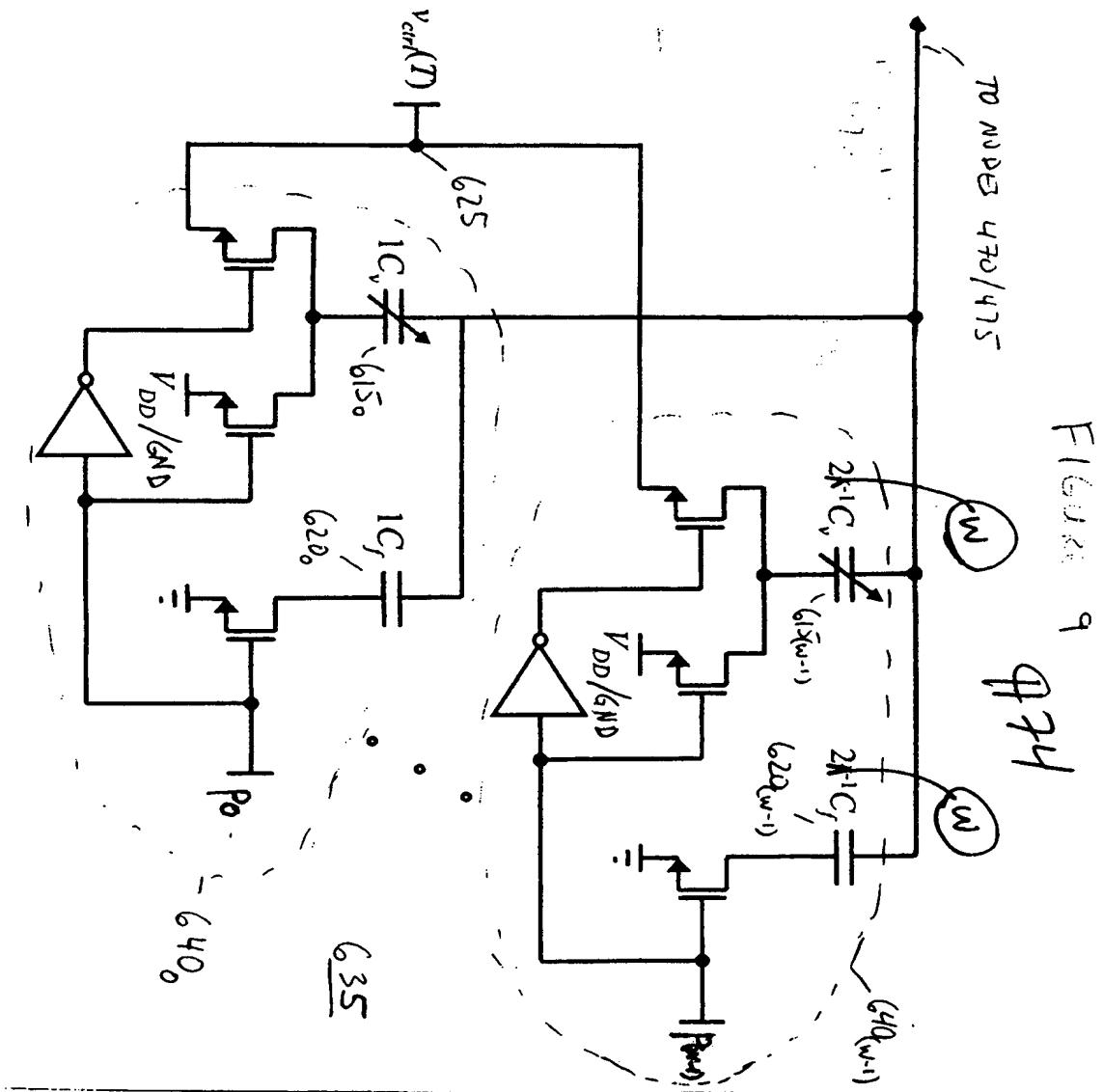


FIGURE 10

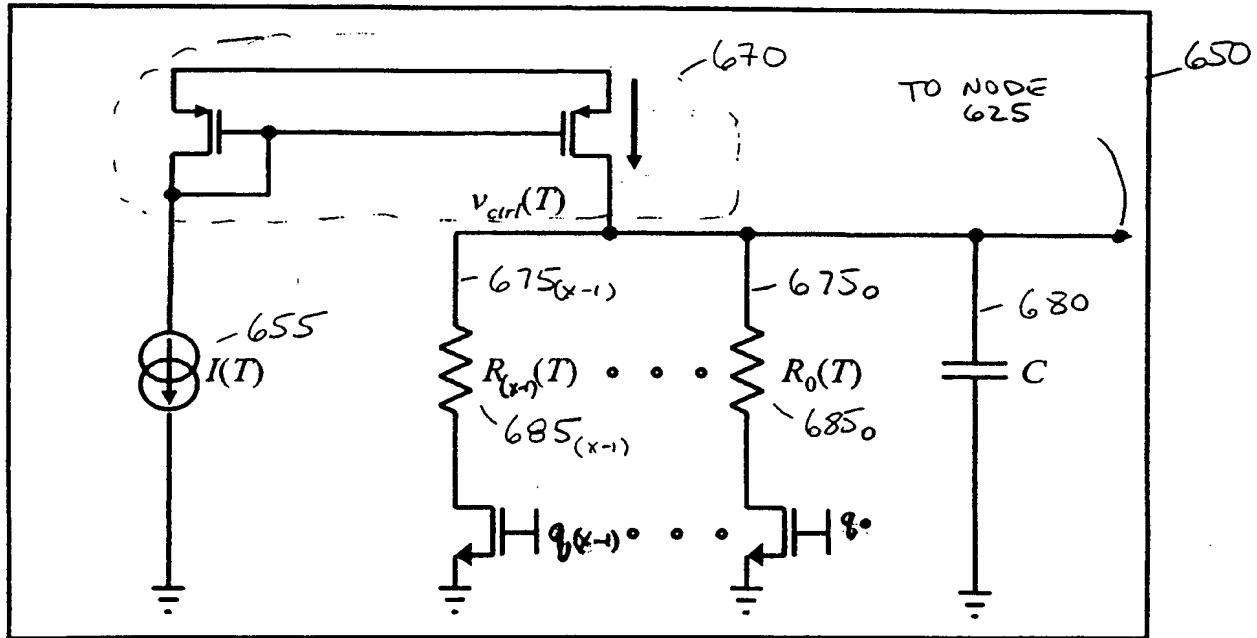
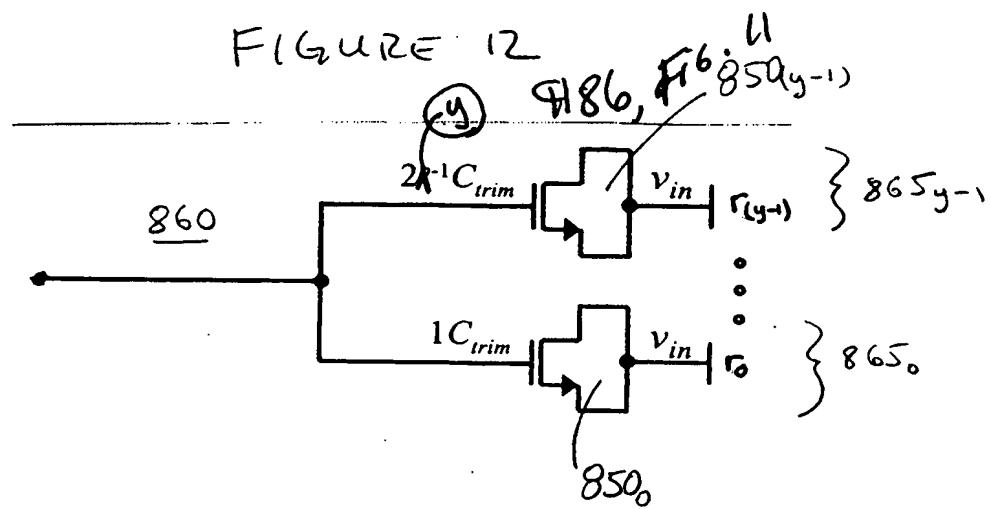


FIGURE 12



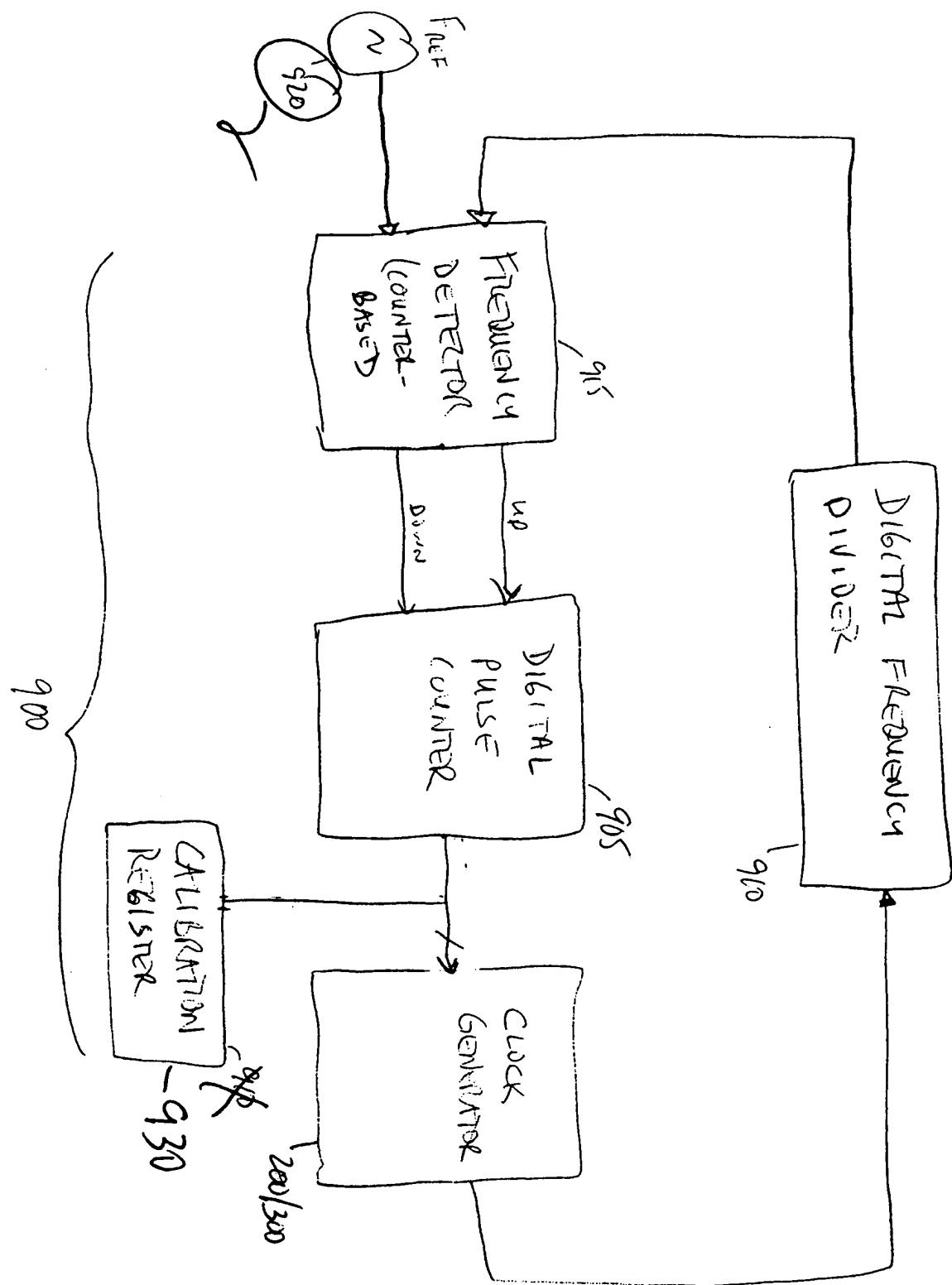


Fig. 13

Measured frequency switching for a 16-bit MS-MCU

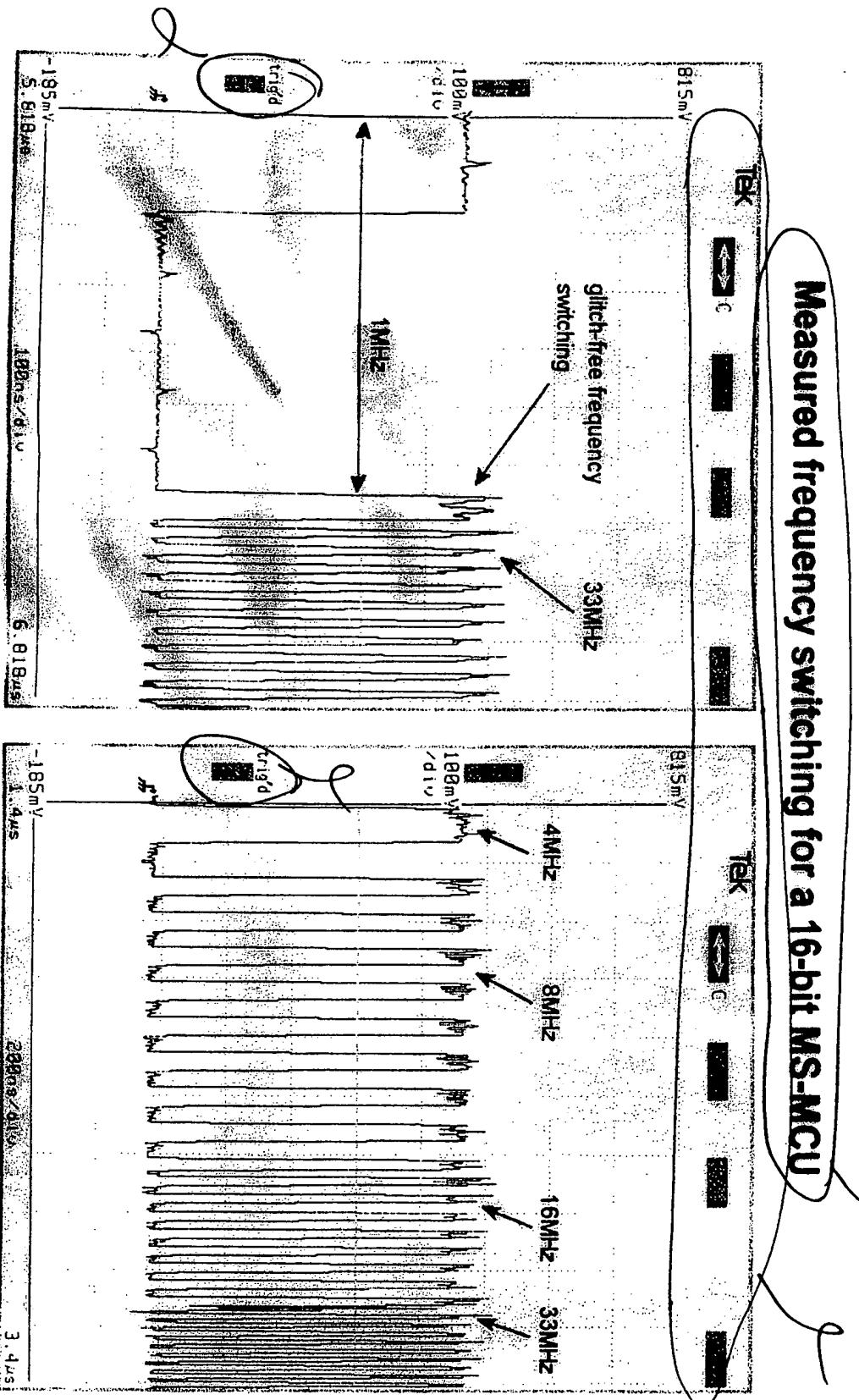


FIGURE 15A

FIGURE 15B

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